

Abstract

5 Speech Analyzing Stage and Method
 for Analyzing a Speech Signal

10 A speech analyzing stage (12) and a method for analyzing a
 speech signal is described. The speech analyzing stage (12) is
 part of an automatic speech recognition system (10) and is
 adapted for analyzing in the spectral domain a speech signal
 sampled at one of at least two different system sampling rates.
 The speech analyzing stage (12) comprises a first spectral
15 analyzer (18a) for analyzing the speech signal up to a first
 frequency (f_{lowest}) which is preferably derived from the lowest
 system sampling rate ($2 \times f_{\text{lowest}}$) and a second spectral analyzer
 (18b) for analyzing the speech signal at least above the first
 frequency (f_{lowest}).

20 (Fig. 3)